

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: HALO

Report Number: P626474

Luminaire Tested: HLBC6LS9FSD2WE010MWR-3500K-900lm

Issue Date: 11/17/2022

Test Information

Test Method: LM-79-2019
Report Number: P626474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2209543B001)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/17/2022
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HLBC6LS9FSD2WE010MWR-3500K-900lm
Description: 6IN CANLESS LED DOWNLIGHT WITH SELECTABLE CCT AND SELECTABLE LUMEN OUTPUT
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

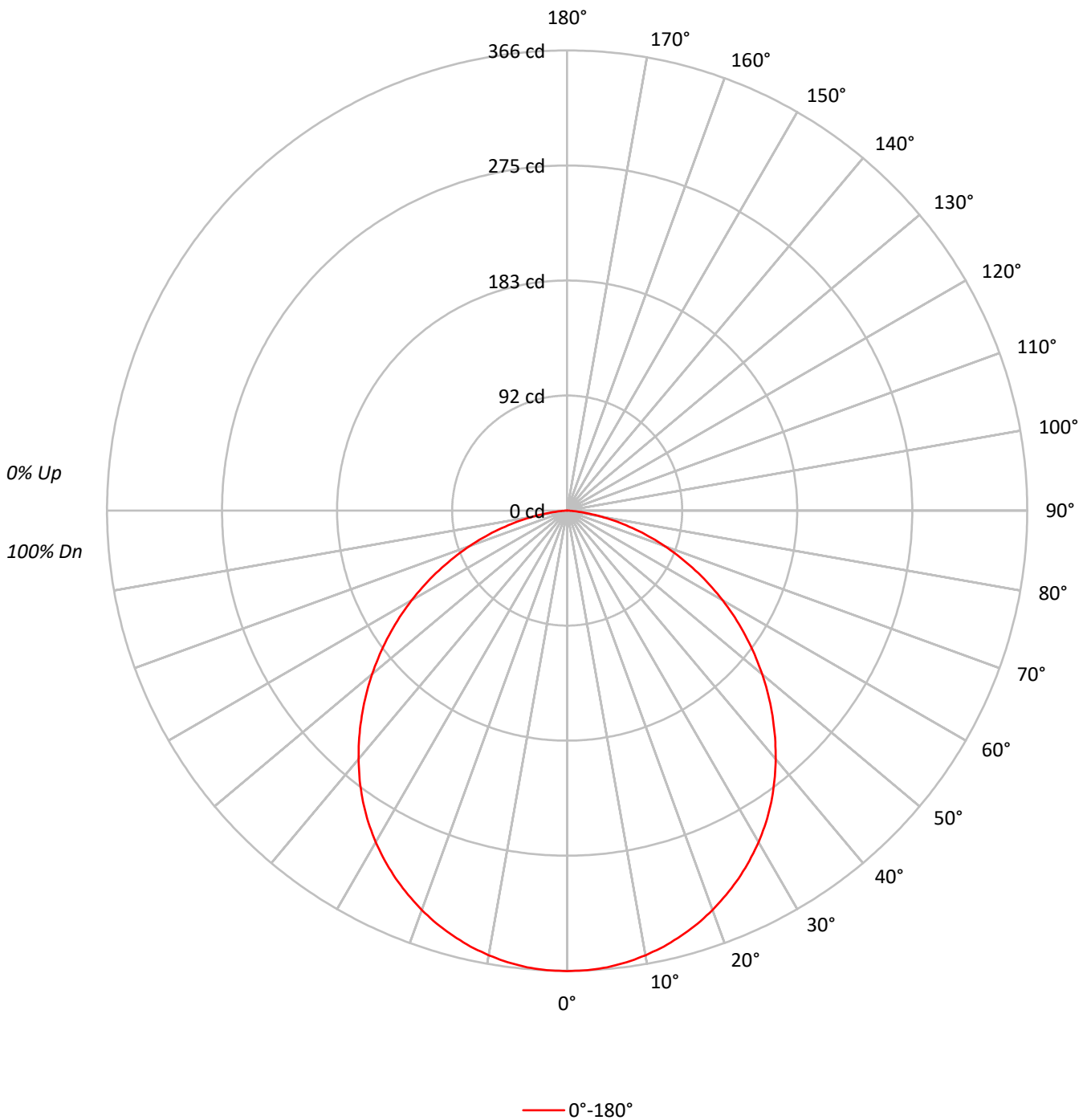
Lumens per Lamp: N/A
Luminaire Lumens: 970.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Circular (Dia: 0.5m x H: 0m)
CIE Type: Direct

Input Watts (W): 11.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	66	63	60
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		53	47	42		52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1866
5°	1864
10°	1857
15°	1846
20°	1832
25°	1814
30°	1791
35°	1760
40°	1716
45°	1664
50°	1605
55°	1536
60°	1455
65°	1356
70°	1228
75°	1059
80°	801
85°	310

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1664 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	3.6
10°-20°	98.8	10.2
20°-30°	148.7	15.3
30°-40°	176.8	18.2
40°-50°	178.1	18.4
50°-60°	154.6	15.9
60°-70°	111.3	11.5
70°-80°	57.1	5.9
80°-90°	9.9	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	282.1	29.1
0°-40°	459.0	47.3
0°-60°	791.7	81.6
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	366	
5°	365	35
15°	350	99
25°	323	149
35°	283	177
45°	231	178
55°	173	155
65°	112	111
75°	54	57
85°	5	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	366.3
2.5°	365.9
5°	364.7
7.5°	362.4
10°	359.1
12.5°	355.2
15°	350.2
17.5°	344.6
20°	338.1
22.5°	330.7
25°	322.8
27.5°	314.0
30°	304.5
32.5°	294.3
35°	283.1
37.5°	270.9
40°	258.1
42.5°	244.8
45°	231.0
47.5°	217.0
50°	202.6
52.5°	187.8
55°	173.0
57.5°	158.0
60°	142.8
62.5°	127.6
65°	112.5
67.5°	97.3
70°	82.5
72.5°	67.9
75°	53.8
77.5°	40.1
80°	27.3
82.5°	15.6
85°	5.3
87.5°	1.8
90°	0.1

(END OF REPORT)